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IS 4570-8 (1999): Crystal Unit Holders, Part 8: Metal, Welded, Three Wire Crystal Unit Holders Type DK [LITD 5: Semiconductor and Other Electronic Components and Devices]



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“Knowledge is such a treasure which cannot be stolen”

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IS 4570 (Part 8) : 1999

(Reaffirmed 2006)

भारतीय मानक

क्रिस्टल इकाई होल्डरों की विशिष्टि

भाग 8 धातु, वेल्डित, तीन तार क्रिस्टल इकाई होल्डर टाइप डीके

(पहला पुनरीक्षण)

Indian Standard

SPECIFICATION FOR CRYSTAL UNIT HOLDERS

PART 8 METAL, WELDED, THREE WIRE CRYSTAL UNIT HOLDERS TYPE DK

(First Revision)

ICS 31.140

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BUREAU OF INDIAN STANDARDS
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Price Group 1

FOREWORD

This Indian Standard (Part 8) (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Piezoelectric Devices for Frequency Control and Selection Sectional Committee had been approved by the Electronics and Telecommunication Division Council.

The objective of this standard is to specify the outline dimensions, pin spacing and alignment gauge for crystal unit holder of type DK.

This Indian Standard is largely based on Sheet 28 of IEC 122-3 (1977), with Amendment No. 2 (1991), 'Quartz crystal units for frequency control and selection- Part 3: Standard outlines and pin connections' issued by the International Electrotechnical Commission (IEC).

The revision has been undertaken to align this standard with the latest international practices, and tolerances of dimensions, which do not effect the replaceability, have been deleted.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

SPECIFICATION FOR CRYSTAL UNIT HOLDERS

PART 8 METAL, WELDED, THREE WIRE CRYSTAL UNIT HOLDERS TYPE DK

(First revision)

1 SCOPE

1.1 This standard (Part 8) covers metal, welded, three wire crystal unit holder Type DK intended for use in electronic equipment.

2 REFERENCE

2.1 The following Indian Standard is a necessary adjunct to this standard:

IS No.	Title
4570 (Part 1) : 1983	Specification for crystal unit holders: Part 1 General requirements and tests (first revision)

3 TYPE DESIGNATION

3.1 The metal, welded, three wire crystal unit holders covered in this standard shall be designated as metal, welded, three wire crystal unit holder type DK.

4 OUTLINE AND DIMENSIONS

4.1 The outline and dimensions shall be according to Fig. 1 and Table 1.

NOTE — The crystal unit outline may be manufactured in either 'cold-welded' or 'resistance-welded' form and are distinguished by letter 'C' for the cold-welded or the letter 'R' for the resistance-welded form by adding the letter at the end of the type code (for example, DKC or DKR).

Table 1 Dimensions
(Clause 4.1)

Ref	Millimetres			Notes
	Min (2)	Nom (3)	Max (4)	
(1)				(5)
A	—	—	10.70	
C	—	—	6.60	
D	—	—	8.50	
H	4.83	5.08	5.33	
K	0.40	—	0.48	
L	12.70	—	—	
P	—	—	0.90	2
Q	—	—	0.95	2

NOTES

- 1 Wire number 3 is grounded to case (see Fig. 1).
- 2 The tag's position or presence is optional.

5 MATERIALS, CONSTRUCTION AND WORKMANSHIP

5.1 See 5 of IS 4570 (Part 1).

6 MARKING

6.1 See 6 of IS 4570 (Part 1).

7 TESTS

7.1 See 7 of IS 4570 (Part 1).

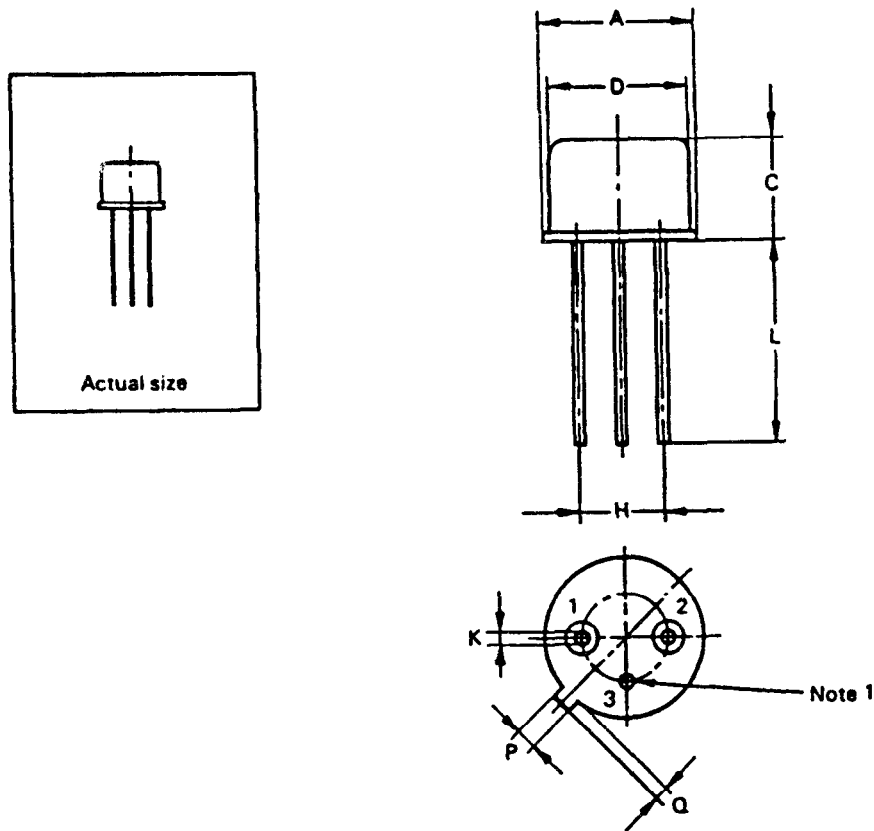


FIG. 1 OUTLINE OF CRYSTAL UNIT HOLDERS

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